



JPW

PATENT
P56970

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

YOUNG-CHEOL HAM *et al.*

Serial No.: 10/765,422

Examiner: *to be assigned*

Filed: 28 January 2004

Art Unit: 2681

For: SYSTEM FOR PROVIDING PRIVATE MOBILE COMMUNICATION SERVICE
SEPARATELY FROM PUBLIC MOBILE COMMUNICATION NETWORK AND
METHOD OF PROCESSING CALL USING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

FOREIGN PATENT REFERENCE:

- Japanese Patent Publication No. 09-093329 to Yazawa *et al.* entitled *ELECTRONIC TELEPHONE DIRECTORY DIALING SYSTEM*, published 4 April 1997 (with English abstract);
- Japanese Patent Publication No. 08-237742 to Kamimura, entitled *TELEPHONE SET, PORTABLE TELEPHONE SYSTEM CONTROLLER AND PORTABLE TELEPHONE SYSTEM*, published on 13 September 1996 (with English abstract);
- Japanese Patent Publication No. 10-336728 to Kimura *et al.*, entitled *IDENTIFICATION CODE REGISTRATION SYSTEM FOR RADIO TELEPHONE SYSTEM*, published on 18 December 1998 (with English abstract);

- Japanese Patent Publication No. 11-262064 to Takahashi, entitled *METHOD FOR SELECTING PUBLIC AND INDEPENDENT MODES AND PUBLIC AND INDEPENDENT SHARED PHS TERMINAL EQUIPMENT*, published on 24 September 1999 (with English abstract);
- Japanese Patent Publication No. 2001-025066 to Hara *et al.*, entitled *CORDLESS COMMUNICATION SYSTEM, REPEATER INCORPORATED TYPE PHS TERMINAL AND COMMUNICATION MODE SWITCHING METHOD*, published on 26 January 2001 (with English abstract);
- Japanese Patent Publication No. 2000-197127 to Takenouchi, entitled *RADIO COMMUNICATION TERMINAL EQUIPMENT*, published on 14 July 2000 (with English abstract).

OTHER DOCUMENTS:

- Japanese Office action for Japanese Patent Application No. 2004-00024820, issued on 14 February 2006.

DISCUSSION

Yazawa *et al.* JP'329, according to the Japanese Office action in applicant's Japanese patent application Serial No. 2004-024820, discloses that a PHS terminal 300 contained both in a PHS network 110 provided in addition to a public communication network 100 and a PHS network 210 provided in addition to a private communication network 200 and having an electronic telephone directory 310, is provided with a contained network identification means 302 setting whether the PHS terminal is contained in the public network or the private network as network identification information, a contained network identification means 302 and a call means 303, which analyzes the network identification information in the case of making a call through the use of an electronic telephone directory from the PHS terminal, sends only a telephone number from which a special symbol is eliminated in the case of using a public network for a contained network, converts the special symbol into a special number for a prescribed trunk line call and sends the telephone number

while adding the special number to the telephone number when a private network is used for the contained network.

Kamimura JP'742, discloses that a control section 13 discriminates it that a portable telephone set transits from a so-called public mode acting like a terminal equipment for a public base station to a so-called private mode acting like a slave set of a master set or vice versa, and when the mode changeover is discriminated, it is reported and registered to the portable telephone system controller connected to a public network. When it is reported and registered to the portable telephone system controller that the portable telephone set is set to be the private mode operated as a slave set of the home use cordless master set 1 and a call comes to the telephone number acting like the terminal equipment of said public base station by the portable telephone set, the portable telephone system controller transfers the call to the home use cordless master set 1.

Kimura et al. JP'728, discloses that an identification code is registered in the radio telephone system provided with a radio base station 1 connecting to a public telephone line 6 via a line connection section 1A and with a portable radio communication equipment 2 for communication via the radio base station 1. The radio base station 1 has a line state detection section 19 that detects electrically a connection state of the line connection section 1A with the public telephone line 6, when the line state detection section 19 detects non-connection state with the public telephone line 6 when the radio base station 1 is energized, the identification code of the portable radio communication wavelength is registered.

Takahashi JP'064, discloses that a telephone directory storage part 106 stores public and independent modes 1063 and 1064, etc., to be used at the call originating for each opposite party telephone number 1061 by the telephone directory registering operation of an operator. When the telephone number inputted by the operator is stored in the storage part 106, the public and

independent modes 1063 and 1064 are extracted, changed-over by a mode change-over part 102, when they are usable and originated. When it is usage disabled, this is reported to the operator. When the number is stored in the storage part 106, the mode being selected at present is used, and call origination is executed. As a result, the public and independent modes automatically become selectable.

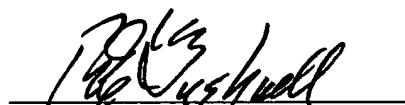
Hara *et al.* JP'066, discloses that the repeater incorporated type PHS terminal 100 receives a frequency for public, performs the operation as a public PHS terminal by a public protocol to the public base station 200 and performs the operation as the self-supporting PHS master unit by a self-supporting protocol to the self-supporting PHS terminal 1. The subscriber information is provided in the repeater incorporated type PHS terminal 100 and the PHS terminal 1 is not provided with the subscriber information. Also, public authentication or the like is performed between the repeater incorporated type PHS terminal 100 and a public network and the PHS terminal 1 is just provided with the self-supporting protocol.

Takenouchi JP'127, discloses that during the use of only a domestic mode, only a first phase locked loop(PLL)27 is periodically operated in a timing shown in a figure. Then, a communication path with a master device or a slave device is constituted by using a local oscillation signal suited to channels TX1 and RX1 prepared by the first PLL27 so that mutual communication in the domestic mode can be operated. At that time, a control channel from a base station is led in by using a second PLL28 in a timing different from the transmitting and reception timings TX1 and RX1 which are being used at present. When the call of a public mode from the base station is present in this state, a communication path with the base station is established by using the local oscillation signal suited to the channels TX2 and RX2 prepared by the second PLL28.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. E. Bushnell", is written over a horizontal line.

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**INFORMATION DISCLOSURE STATEMENT****PTO-1449 (PAGE 1 OF 1)****SERIAL NUMBER** 10/765,422**DOCKET NO.** P56970**APPLICANT** YOUNG-CHEOL HAM *et al.***FILING DATE** 28 January 2004**GROUP** 2681**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS**TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	JP 09-093329	04/1999	JAPAN			Abstract	
	JP 08-237742	09/1996	JAPAN			Abstract	
	JP 10-336728	12/1998	JAPAN			Abstract	
	JP 11-262064	09/1999	JAPAN			Abstract	
	JP 2001-025066	01/2001	JAPAN			Abstract	
	JP 2000-197127	07/2000	JAPAN			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Japanese Office Action of the Japanese Patent Application No. 2004-024820, mailed on 14 February 2006

EXAMINER:**DATE CONSIDERED:**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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